

Jari Heinonen

List of Publications by Year in descending order

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papers

630
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docs citations

31
times ranked

713
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling of chromatographic carboxylic acid fractionation with a strong anion exchange resin in sulfate form. <i>Separation and Purification Technology</i> , 2022, 285, 120320.	3.9	3
2	Chromatographic recovery and purification of natural phytochemicals from underappreciated willow bark water extracts. <i>Separation and Purification Technology</i> , 2021, 261, 118247.	3.9	19
3	Evolution of the molar mass distribution of oat β -glucan during acid catalyzed hydrolysis in aqueous solution. <i>Chemical Engineering Journal</i> , 2020, 382, 122863.	6.6	8
4	Anthocyanin-rich extract from purple potatoes decreases postprandial glycemic response and affects inflammation markers in healthy men. <i>Food Chemistry</i> , 2020, 310, 125797.	4.2	43
5	Effects of Anthocyanin Extracts from Bilberry (<i>Vaccinium myrtillus</i> L.) and Purple Potato (<i>Solanum tuberosum</i> L. var. 'Synke' Sakari) on the Plasma Metabolomic Profile of Zucker Diabetic Fatty Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 9436-9450.	2.4	33
6	A process combination of ion exchange and electro dialysis for the recovery and purification of hydroxy acids from secondary sources. <i>Separation and Purification Technology</i> , 2020, 240, 116642.	3.9	15
7	Chromatographic fractionation of complex mixtures of hydroxy carboxylic acids. <i>Separation and Purification Technology</i> , 2019, 221, 349-362.	3.9	8
8	Novel chromatographic process for the recovery and purification of hydroxy acids from alkaline spent pulping liquors. <i>Chemical Engineering Science</i> , 2019, 197, 87-97.	1.9	13
9	Steady-state recycling chromatography in the purification of weakly acidic lignocellulosic hydrolysates. <i>Separation and Purification Technology</i> , 2019, 210, 670-681.	3.9	6
10	Acid hydrolysis of glycosidic bonds in oat β -glucan and development of a structured kinetic model. <i>AIChE Journal</i> , 2018, 64, 2570-2580.	1.8	10
11	Effect of separation material particle size on pressure drop and process efficiency in continuous chromatographic separation of glucose and fructose. <i>Separation and Purification Technology</i> , 2018, 193, 317-326.	3.9	12
12	Chromatographic Recovery of Monosaccharides and Lignin from Lignocellulosic Hydrolysates. <i>Chemical Engineering and Technology</i> , 2018, 41, 2402-2410.	0.9	5
13	Chromatographic fractionation of a ternary mixture with an SMB cascade process: The effect of ion exchange resin cross-linkage on separation efficiency. <i>Separation and Purification Technology</i> , 2018, 206, 286-296.	3.9	6
14	Sensory profile of ethyl β -D-glucopyranoside and its contribution to quality of sea buckthorn (<i>Hippophaë rhamnoides</i> L.). <i>Food Chemistry</i> , 2017, 233, 263-272.	4.2	19
15	Separation and recovery of lignin from hydrolysates of lignocellulose with a polymeric adsorbent. <i>Separation and Purification Technology</i> , 2017, 186, 125-134.	3.9	22
16	Extraction and purification of anthocyanins from purple-fleshed potato. <i>Food and Bioproducts Processing</i> , 2016, 99, 136-146.	1.8	53
17	Chromatographic separation of ethyl β -D-glucopyranoside and D-glucose with steady-state recycling chromatography. <i>Separation and Purification Technology</i> , 2016, 169, 262-272.	3.9	12
18	Chromatographic purification of enzymatically synthesized alkyl glucopyranosides. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2419-2431.	1.6	2

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19	Performance evaluation of a recycle-integrated process for the production and purification of monosaccharides from lignocellulosic biomass. <i>Separation and Purification Technology</i> , 2015, 156, 561-571.	3.9	2
20	Evolutionary multi-objective optimization based comparison of multi-column chromatographic separation processes for a ternary separation. <i>Journal of Chromatography A</i> , 2014, 1358, 181-191.	1.8	12
21	Electrolyte exclusion chromatography using a multi-column recycling process: Fractionation of concentrated acid lignocellulosic hydrolysate. <i>Separation and Purification Technology</i> , 2014, 129, 137-149.	3.9	18
22	Size-exclusion chromatographic separation of hydroxy acids and sodium hydroxide in spent pulping liquor. <i>Separation and Purification Technology</i> , 2013, 118, 234-241.	3.9	11
23	Chromatographic Fractionation of Lignocellulosic Hydrolysates. <i>Advances in Chemical Engineering</i> , 2013, 42, 261-349.	0.5	4
24	Purification process for recovering hydroxy acids from soda black liquor. <i>Chemical Engineering Research and Design</i> , 2013, 91, 2765-2774.	2.7	34
25	Selective recovery of germanium with N-methylglucamine functional resin from sulfate solutions. <i>Separation and Purification Technology</i> , 2013, 104, 193-199.	3.9	40
26	Use of Adsorbed Solution theory to model competitive and co-operative sorption on elastic ion exchange resins. <i>Separation and Purification Technology</i> , 2012, 95, 235-247.	3.9	21
27	Modelling and performance evaluation of chromatographic monosaccharide recovery from concentrated acid lignocellulosic hydrolysates. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1676-1686.	1.6	20
28	Ethanol production from wood via concentrated acid hydrolysis, chromatographic separation, and fermentation. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 689-696.	1.6	38
29	Adsorptive removal of fermentation inhibitors from concentrated acid hydrolyzates of lignocellulosic biomass. <i>Bioresource Technology</i> , 2011, 102, 6048-6057.	4.8	76
30	Modeling of chromatographic separation of concentrated-acid hydrolysates. <i>Separation and Purification Technology</i> , 2011, 80, 610-619.	3.9	25
31	Chromatographic Recovery of Monosaccharides for the Production of Bioethanol from Wood. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 2907-2915.	1.8	40